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CELERY AND LETTUCE VARIETY TRIALS - 1971

MUCK CROPS BRANCH

CELERYVILLE, OHIO

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DEPARTMENT OF HORTICULTURE

Ohio Agricultural Research and Development Center  
Wooster, Ohio

Horticulture Series No. 379  
December 28, 1971



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## LATE CELERY VARIETY TRIALS - 1971

Muck Crops Branch  
Celeryville, Ohio

E. K. Alban<sup>1</sup> and Edward Postema<sup>2</sup>

Twenty varieties or strains of varieties of celery were compared in replicated trials. The results of the plantings are given in Table I.

### CULTURAL INFORMATION

Seed Sown: greenhouse - April 26, transplanted to greenhouse benches May 12-14, and set in field June 9.

Fertilizer: 900 lbs./A of 0-25-25 applied after planting and disked in. Side dressing of ammonium nitrate approximately two and four weeks after field setting.

Spacing: Paired rows spaced 34 inches with 40 inches between paired rows for better equipment clearance. Plants were spaced approximately 6.5 inches in the row, with 41 plants per 23 foot plot, 41 plants for record. Each single row plot replicated six times in each planting.

Pesticide: Eight applications of M-45 applied at weekly intervals with an insecticide of Diazinon or malathion alternating.

Growing Conditions: Rainfall during the growing season as follows:

June	3.38"
July	4.23"
August	.63"

Harvest Date: September 1.

### SOURCES OF SEED

A-1 Abbott & Cobb, 4744-46 Frankford Ave., Philadelphia, Pa. 19124  
F-1 Ferry-Morse Seed Co., Box 100, Mountainview, Calif. 94040  
H-1 Joseph Harris seed Co., Inc. Moreton Farm, Rochester, N. Y. 14624  
K-3 Keystone Seed Co., Box 1438, Hollister, Calif. 95023  
S-6 Seiger's, 7245 Imlay City Road, Imlay City, Michigan 48444

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TABLE 1. CELERY VARIETIES FOR LATE HARVEST, 1971  
Celeryville, Ohio

VC '71, p.2

(6 Replications)

Variety, Lot Number and Source	Avg.	Yield per Plot <sup>1</sup>			Pet.	Pet.	Pet.	Trim	Remarks
	Wt. per Large Stalk	Large Stalks	Small Stalks	Market- ables	ct. 4" above Butt	Lngh Butt- 1 node	Lngh Over- all	Loss	
	lbs.	lbs.	lbs.	lbs.		in.	in.	%	
20. Celery 3099 T-68 F-1	2.2	74.9	3.2	78.1	9.3	10.9	27.3	37.5	
13. Celery 683 T-70 F-1	2.5	72.8	2.8	75.6	10.3	8.9	26.6	31.5	
1. Tall Greenlight 567 H-1	2.1	72.9	2.5	75.4	11.2	10.4	27.5	32.3	
15. Celery 3036 T-70 F-1	2.3	70.2	2.9	73.1	9.0	9.1	26.1	39.4	
16. Celery 3037 T-71 F-1	2.2	65.9	3.5	69.4	9.5	9.1	26.8	42.6	
11. Celery 15C-8 -- F-1	2.2	65.0	4.4	69.4	9.2	10.7	27.5	37.4	
18. Florida 52-70 T-70 K-3	2.0	65.0	3.8	68.8	9.2	9.3	27.8	44.7	
6. Tendercrisp T-71 F-1	2.1	62.5	5.4	67.9	9.3	10.1	27.2	32.5	
17. Utah Pascal 378-6 S-6	2.2	63.5	2.2	65.7	10.2	8.4	26.4	42.1	
5. Celery 8190 T-71 F-1	2.1	61.0	4.5	65.5	10.0	10.3	28.6	41.9	
— LSD at 5% level		12.0		12.5					

1. Yield per plot of 23 feet. To convert to 60 lb. crates/A, multiply by 9.71

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TABLE 1. CELERY VARIETIES FOR LATE HARVEST, 1971  
Celeryville, Ohio

VC '71, p.3

(6 Replications)

Variety, Lot Number and Source	Avg. Wt. per Large Stalk	Yield per Plot <sup>1</sup>			Pet. ct. 4" above Butt	Pet. Lngth Butt- 1 node	Pet. Lngth Over- all	Trim Loss	Remarks
		Large Stalks	Small Stalks	Market- ables					
	lbs.	lbs.	lbs.	lbs.		in.	in.	%	
19. Celery E 0207 T-70 F-1	2.2	61.2	2.9	64.1	9.0	10.9	27.3	45.6	
3. Celery 3037 T-70 F-1	1.9	58.5	4.6	63.1	8.6	9.2	25.5	36.6	
10. Florimart Emerald T-69 F-1	1.8	39.7	2.3	42.0	10.5	9.3	22.3	15.8	
2. Florida 2-13 368-598 H-3	2.0	57.6	4.4	62.0	8.0	9.2	27.5	39.2	
8. Florida 683 T-71 F-1	2.3	58.9	2.8	61.7	10.4	8.5	25.8	35.6	
12. Improved 52-70 T-70 A-1	2.3	56.5	3.0	59.5	8.6	9.3	26.5	37.7	
7. Beacon T-71 K-3	1.8	49.6	4.4	54.0	8.9	8.4	24.8	42.1	
4. Celery 8191 T-70 F-1	1.4	46.3	5.5	51.8	8.9	8.3	26.5	46.3	
9. Earlibelle T-71 K-3	2.0	48.2	3.1	51.3	9.7	8.5	24.8	40.3	
14. Celery 150-9 T-71 F-1	1.8	41.5	4.3	45.8	8.6	9.9	26.0	41.5	
LSD at 5% Level		12.0		12.5					

1. Yield per plot of 23 feet. To convert to 60 lb. crates/A, multiply by 9.71

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# LETTUCE VARIETY TRIALS - 1971

Muck Crops Branch  
Celeryville, Ohio

E. K. Alban<sup>1</sup> and Edward Postema<sup>2</sup>

Nine varieties of leaf lettuce were drilled June 24, 1971 and harvested August 11, 1971. Plots replicated four times were 75 feet long with five foot alley between plots and 20 foot alley in middle.

Variety	Source	Avg. lbs. harvested 4 plots
3. Slobolt	Harris	70.4
4. Slobolt	Abbott & Cobb	54.7
5. Slobolt	Holmes	49.6
6. Grand Rapids TBR	Asgrow	42.5
9. Ca 95045	Ferry-Morse	40.5
2. Waldman's Dark Green	Seigers	33.9
1. Waldman's Dark Green	Holmes	28.4
7. Grand Rapids TBR	Abbott & Cobb	22.9
8. Ca 95045	Ferry-Morse	16.3

## SEED SOURCE

Abbott & Cobb, 4744-46 Frankford Ave., Philadelphia, Pa. 19124  
 Asgrow Seed Co., 584 Derby-Milford Road, Orange, Conn. 06477  
 Joseph Harris Seed Co., Inc., Moreton Farm, Rochester, N. Y. 14624  
 Holmes Seed Co., 2125 46th S. W., Canton, Ohio 44709  
 Ferry-Morse Seed Co., P. O. Box 100, Mountainview, Calif. 94040  
 Seiger's, 7245 Imlay City Road, Imlay City, Michigan 48444

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